

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: May 19, 2018	WEATHER: Cloudy, 70 degrees, no wind. Scattered sun in the afternoon.
Personnel and Visitors Onsite: Research vessel Cayuse – <u>CDM Smith</u> : Andy Greazel; <u>AECOM</u> : Mark Tauscher; <u>Geosyntec</u> : Erin Dunbar; <u>Gravity Marine</u> : Mike Duffield and Ryan McEliece Research vessel Tieton - <u>CDM Smith</u> : Emma Ehret; <u>AECOM</u> : Bruce Cassum; <u>Geosyntec</u> : Alison Clements; <u>Gravity Marine</u> : Rene Trudeau, Maggie McKeon	
Planned Activity: <ul style="list-style-type: none">Tieton – Collect surface sediment samples at SMA locations between RM 8 and 9.Cayuse - Collect surface sediment samples at random stratified locations near River Mile (RM) 11.3 to 11.8 W and E.	
Activity Completed: <p>A tailgate safety meeting was led by AECOM. Topics discussed included becoming complacent during work, maintaining health and safety supplies, and boat inspections. The discussion of boat inspections included identifying the welding failure from yesterday.</p> <p>Emma Ehret performed oversight of SMA sampling between RM 8 and 9 on the Willamette River from 08:00 to 17:30 on board the Tieton. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">GPS position checks were performed at the beginning and end of the day at the PH-2 pile at the Fred Devine property. GPS coordinates were within 1.14 (AM) and 0.61 (PM) meters of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP.3-point composite surface sediment samples were collected from 9 SMA locations, as summarized below. Between sampling locations all sampling equipment was decontaminated using Alconox and deionized/distilled water. <p>Andy Greazel performed oversight of random stratified surface sediment sampling near RM 11.3 to 11.8 W and E of the Willamette River from 08:00 to 17:30 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">GPS position checks were performed at the beginning and end of the day at the PH-2 pile at the Fred Devine property. GPS coordinates were within 1.3 meters of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP.3-point composite surface sediment samples were collected from six SMA locations, as summarized below. Between sampling locations all sampling equipment was decontaminated using Alconox and deionized/distilled water.	
Status of Schedule & Priority Work: <ul style="list-style-type: none">Sampling will continue Sunday with random stratified sampling locations and SMA locations.Sampling on some private property locations will continue to occur at locations with property access agreements.Sampling is taking more time than initially projected.	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <ul style="list-style-type: none">No recoverable sediment at stratified random surface sediment locations B415 and B418. After three attempts with the power grab, Gravity probed the bottom of the river bed and could not identify any soft sediment. These locations are considered a Bin 4 substrate.	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>On the Cayuse, the following surface sediment samples were collected at random stratified locations near RM 11.3 to 11.8 W:</p> <ul style="list-style-type: none">PDI-SG-B403 – Within 25-foot radius, dark gray silt to sandy siltPDI-SG-B406 – Within 25-foot radius, very dark gray siltPDI-SG-B407 – Within 25-foot radius, very dark gray siltPDI-SG-B411 – Within 25-foot radius, dark gray siltPDI-SG-B413 – Within 25-foot radius, very dark gray silt	

- PDI-SG-B416 – Within 50-foot radius, very dark gray silt and black sand

On the Tieton, the following surface sediment samples were collected at SRS and SMA locations between RM 8 and 9 W:

- PDI-SG-S197 – within 25-foot radius, soft and stiff silt
- PDI-SG-S202 – within 25-foot radius, silt
- PDI-SG-S205 – within 25-foot radius, soft silt and trace sand
- PDI-SG-S206 – within 25-foot radius, soft silt
- PDI-SG-S207 – within 25-foot radius, soft and stiff silt
- PDI-SG-S209 – within 25-foot radius, soft and stiff silt
- PDI-SG-S212 – within 25-foot radius, soft and stiff silt
- PDI-SG-S210 – within 25-foot radius, soft and stiff silt
- PDI-SG-S217 – within 25-foot radius, very soft silt

Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes.

Photographs of work were taken throughout the day on board the Cayuse and Tieton and provided to EPA via email. Photos were archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

- Excess sediment and debris in the power grab sampler and in the sampling bowls was rinsed back into the river per the FSP. No major sheen was observed.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing: None observed

Signature: Andy Greazel, Emma Ehret

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